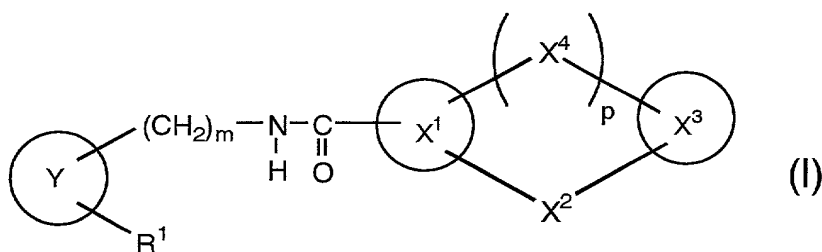


ABSTRACT

The present invention provides novel compounds having a dual antagonistic activity against thromboxane A₂ receptor and prostaglandin D₂ receptor and pharmaceutical compositions comprising them.

A compound of the formula (I):



wherein R¹ is -CH₂-CH=CH-CH₂-CH₂-CH₂-COOR₂ or -CH=CH-CH₂-CH₂-CH₂-COOR₂; R₂ is hydrogen or alkyl; m is 0 or 1; p is 0 or 1; X¹ and X³ each is independently optionally substituted aryl or optionally substituted heteroaryl; X² is a bond, -CH₂-, -S-, -SO₂-, -CH₂-O-, -O-CH₂-, -CH₂-S-, -S-CH₂-, or the like; X⁴ is -CH₂-, -CH₂-CH₂-, -C(=O)-, or the like, have a dual antagonistic activity against both a thromboxane A₂ receptor and a prostaglandin D₂ receptor.